| In | dex | of | Cla | ims |  |
|----|-----|----|-----|-----|--|
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| App | licatio | n/Cont | rol No. |
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09/751,250

Examiner

Tri H. Phan

Applicant(s)/Patent under Reexamination

CARLSSON ET AL.
Art Unit

2616

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

**Appeal** Objected

| Cla  | aim      | Date     |          |          |          |  |          |          | Claim Date |          |      |       |          |                 |                |        | . [       | Cli  | aim      | Date            |            |         |          |          |          |          |          |          |          |          |                |           |          |
|--|----------|----------|----------|----------|----------|--|----------|----------|------------|----------|------|-------|----------|-----------------|----------------|--------|-----------|--|----------|-----------------|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------------|-----------|----------|
|  |          | -        | Г        |          |          |  | ř–       |          |            | $\Box$   |      |       |          |                 |                |        |           |  | $\dashv$ | - 1             |            |         |          | I        |          | ٦        |          |          | Т        |          | $\dashv$       |           |          |
| Final  | Original | 6/11/04  | 1/13/05  | 7/13/05  | 3/29/06  |  |          |          |            |          |      | Final | Original |                 |                |        |           |  |          |                 |            |         | Final    | Original |          |          |          |          |          |          |                |           |          |
| 1  | 1        | 1        | 1        | 1        | =        |  |          |          |            |          |      |       | 51       |                 | $\neg$         | T      |           |  |          | $\neg$          |            | - [     |          | 101      |          |          |          |          |          |          |                |           | $\neg$   |
| 2  | 2        | 0        | 0        | 0        | =        | <del> </del>                                     |          |          |            |          |      |       | 52       | П               | $\neg$         | 1      |           |  |          | $\Box$          | 7          |         |          | 102      |          |          |          |          |          |          | T              |           | $\neg$   |
| 3  | 3        | 1        | 1        | 1        | =        | ऻ  | Т        |          |            |          |      |       | 53       |                 |                |        |           |  |          |                 | 7          | Ī       |          | 103      |          |          |          |          |          |          |                |           | $\neg$   |
| 4  | 4        | V        | 1        | 7        | =        |  |          |          |            | _        |      |       | 54       |                 |                | 1      | T         |  |          |                 | ┪          |         |          | 104      |          | $\neg$   |          |          |          |          | 一              |           | $\neg$   |
| 5  | 5        | V        | 1        | 7        | =        | T  |          |          |            |          |      |       | 55       |                 |                |        | T         |  |          |                 | 7          | 1       | -        | 105      |          |          |          |          |          |          | T              |           | $\neg$   |
| 6  | 6        | 1        | 1        | 1        | =        | 广  |          |          |            |          |      |       | 56       | П               | T              | $\top$ | 1         |  |          | $\top$          | TÎ.        | 1       |          | 106      |          | $\neg$   |          |          |          |          | 寸              |           |          |
| 7  | 7        | 1        | 1        | 1        | =        |  |          |          |            | _        |      | -     | 57       |                 |                | $\top$ |           |  |          |                 | ٦,         | -       |          | 107      |          |          |          |          |          |          | 一              |           | $\dashv$ |
| 8  | 8        | 1        | 1        | 1        | =        | ┢  |          | _        |            | _        | ~~~  |       | 58       | $\Box$          | 十              |        | T         |  |          | -+              | 7          | 7       | -        | 108      |          |          |          | ╗        |          |          |                |           | ㅋ        |
| 9  | 9        | 1        | 1        | 1        | =        | T  |          |          |            |          |      | -     | 59       | 1               |                |        | 1         |  |          |                 |            | ा       |          | 109      |          |          |          | $\neg$   |          |          | $\neg$         |           | $\neg$   |
| 10   | 10       | 1        | 1        | 1        | =        | _  |          | $\vdash$ |            | _        |      |       | 60       | П               |                | +      | T         | П  |          | $\vdash$        | -          | . 4     |          | 110      |          | T        |          |          |          |          | 寸              |           | $\neg$   |
| 11   | 11       | 1        |          | 1        | Ξ        | T  |          |          |            |          |      |       | 61       |                 |                |        | T         |  |          |                 |            | ŀ       |          | 111      |          | $\dashv$ |          | $\neg$   |          |          | 一              | Ť         | $\dashv$ |
| 12   | 12       | ō        | 0        | 6        | =        | T  |          | П        |            |          | нă   | -     | 62       | H               | $\dashv$       | $\top$ | $\top$    | П  |          | $\vdash$        | $\exists$  |         |          | 112      | $\neg$   |          |          | $\dashv$ |          | $\Box$   | 7              | $\dashv$  | $\dashv$ |
| 13   | 13       | 1        | 1        | 1        | =        | T  |          | П        |            | П        |      |       | 63       | H               | $\dashv$       | $\top$ | T         | П  |          |                 |            |         |          | 113      |          | $\dashv$ |          | 一        | $\dashv$ |          | $\dashv$       | $\neg$    | $\dashv$ |
| 14   | 14       | Ì        | Ė        | Ė        | =        | $\vdash$   |          |          |            | П        | 75   |       | 64       | H               | $\dashv$       |        | T         | ١.   |          |                 | 7          |         |          | 114      |          | _        | $\neg$   | _        | ᄀ        |          | 寸              | 一         | $\neg$   |
| 15   | 15       | ò        | =        | =        | =        | T  |          |          |            | М        |      |       | 65       | $\vdash$        | <b>-</b>       |        | T         | Ė  |          | $\vdash$        | ∃։         |         |          | 115      | _        |          | $\neg$   | _        | _        | $\vdash$ | $\dashv$       | $\neg$    | $\dashv$ |
| 16   | 16       | V        | 7        | 1        | =        |  |          | $\vdash$ |            |          |      |       | 66       | H               | $\neg \dagger$ | +      | +         | 1  |          | $\vdash$        | _          |         |          | 116      | -        | -        |          | $\neg$   |          | $\dashv$ | $\dashv$       |           | $\dashv$ |
| 17   | 17       | 1        | 1        | 1        | =        |  |          |          |            |          |      |       | 67       | H               |                |        | 1         |  |          | $\vdash$        | ٦.         |         | •        | 117      |          |          |          |          |          |          |                | _         | $\dashv$ |
| 18   | 18       | Ì        | Ť        | Ì        | =        |  |          | $\vdash$ |            |          | 1    |       | 68       | $\vdash$        | _              | +      | +         |  |          | $\vdash$        | -          |         |          | 118      |          |          |          |          | $\neg$   | _        | $\dashv$       | $\neg$    | $\dashv$ |
| 19   | 19       | Ì        | Ì        | Ì        | =        |  |          | $\vdash$ |            |          |      |       | 69       | Н               | •              | +      | t         |  |          | $\vdash$        | ┨          | - 1     |          | 119      |          | -        |          | _        |          |          | -              | _         | $\dashv$ |
| 20   | 20       | Ì        | Ť        | Ť        | =        | <del>                                     </del> | -        | -        |            | -        |      |       | 70       |                 |                | _      | +-        |  |          |                 |            |         |          | 120      | _        | $\dashv$ |          | $\dashv$ |          | -1       | 寸              | $\dashv$  | -        |
| 21   | 21       | Ť        | Ì        | Ì        | =        |  | -        |          |            |          |      |       | 71       | H               | -              | +      | +         |  |          | $\vdash$        | <b>∃</b> : |         |          | 121      |          |          | _        |          | -        | _        | $\dashv$       | $\dashv$  | ᅱ        |
| 22   | 22       | 1        | Ì        | Ì        | =        | $\vdash$   |          | -        |            |          |      |       | 72       | H               |                | +      | T         |  |          |                 | $\dashv$   | <u></u> |          | 122      | -        |          |          | -        |          | _        | -              | 7         | $\dashv$ |
| 23   | 23       | V        |          | Ī        | =        | $\vdash$   |          |          |            |          |      |       | 73       | $\vdash$        | _              |        | +-        | $\vdash$   |          | -               |            |         |          | 123      |          |          | $\neg$   |          |          |          | $\dashv$       | $\exists$ | $\dashv$ |
| <del></del>                                      | 24       | Ė        | Ė        | Ė        | <u> </u> | 1  |          |          |            |          | ` ,  |       | 74       | H               |                |        | +         | $\vdash$   |          |                 | ۲          | :       |          | 124      | $\neg$   | $\dashv$ | $\neg$   | $\dashv$ | $\dashv$ |          | -+             | $\neg$    | ⊣        |
| Η.   | 25       |          |          |          | H        |  |          | $\vdash$ |            |          |      |       | 75       | $\vdash$        | +              |        | +-        | $\vdash$   |          | $\dashv$        |            | 1       |          | 125      |          | $\dashv$ | _        | $\dashv$ | $\dashv$ | -        | $\dashv$       |           | $\dashv$ |
|  | 26       | -        | -        |          | -        | 1  |          |          |            |          |      |       | 76       | $\vdash$        | _              | $\top$ | +         |  |          | $\dashv$        | 1          |         |          | 126      |          |          |          | $\dashv$ | $\neg$   |          | -              | 7         | $\dashv$ |
| $\vdash$   | 27       | -        |          |          | ┢        | 1  |          | -        |            |          |      |       | 77       | $\vdash$        |                |        | $\dagger$ |  |          | $\dashv$        | <b>⊣</b> ` |         |          | 127      |          | $\dashv$ |          | $\dashv$ | -        |          | -              |           | $\dashv$ |
|  | 28       | -        |          |          | $\vdash$ | <del>                                     </del> |          |          | -          |          |      |       | 78       |                 |                |        | $\dagger$ |  |          | $\dashv$        | 1          | 1       |          | 128      |          | $\dashv$ | _        | $\neg$   | $\dashv$ |          | $\dashv$       | -         | $\dashv$ |
| $\vdash$   | 29       | Н        |          |          | $\vdash$ | $\vdash$   |          | $\vdash$ |            |          |      |       | 79       | Н               | _              | +-     | +         | ├─   |          | $\dashv$        | ┥          | 1       |          | 129      |          |          | _        |          | $\neg$   |          | <del>- †</del> | 1         | $\neg$   |
| $\vdash$   | 30       | $\vdash$ |          |          | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$ |            |          |      |       | 80       | Н               | +              |        | +         | _  |          |                 | -1         | ·       |          | 130      |          | $\neg$   |          |          |          |          | $\dashv$       |           | -        |
|  | 31       | $\vdash$ |          |          | $\vdash$ | H  |          | $\vdash$ |            |          |      |       | 81       | H               | +              | +-     | +         | <del> </del>                                     |          | $\dashv$        | $\dashv$   | - }     |          | 131      |          | $\dashv$ | $\dashv$ | -        | $\dashv$ |          | _              | ┪         | $\dashv$ |
|  | 32       | -        |          |          |          | ┢  | $\vdash$ |          |            |          |      |       | 82       | H               | <del> </del>   | +      | +         |  |          | -               | 1          | 1       |          | 132      |          | $\dashv$ | $\dashv$ |          |          |          | $\dashv$       | $\dashv$  | $\dashv$ |
|  | 33       |          |          | -        |          | ┢╌   | -        | $\vdash$ |            |          | ,    |       | 83       | $\vdash$        | $\dashv$       | +      | ╁         | H  |          |                 | ٦.         | : }     |          | 133      |          | -        | $\neg$   |          | -        |          | <del>-</del> † | $\dashv$  | _        |
| <u> </u>   | 34       | $\vdash$ | -        | $\vdash$ | Ι-       | t  | -        | Н        |            |          |      |       | 84       | $\vdash$        | $\dashv$       | +      | +         | $\vdash$   | -        | $\dashv$        | $\dashv$   | ŀ       |          | 134      |          | $\dashv$ |          |          | -        | $\vdash$ | $\dashv$       |           |          |
| $\vdash$   | 35       | H        |          | $\vdash$ | $\vdash$ | $\vdash$   | 1        | H        | H          |          |      |       | 85       | $\vdash$        |                | +      | +         |  | $\vdash$ | +               | -1         | 1       | -        | 135      | $\dashv$       | $\dashv$  | $\dashv$ |
| _  | 36       |          |          |          | $\vdash$ | <u> </u>   | $\vdash$ | H        | $\vdash$   |          |      |       | 86       | $\vdash$        | +              | +      | +         | -  | -        | $\vdash \vdash$ | -          | 1       |          | 136      |          | $\dashv$ | $\dashv$ |          | _        | -        | -+             |           | $\dashv$ |
|  | 37       | $\vdash$ | $\vdash$ | _        | $\vdash$ | t  | $\vdash$ | H        |            |          |      |       | 87       | H               | +              | +      | t         | $\vdash$   |          |                 | +          | • }     |          | 137      | _        |          |          | -        | -        | $\vdash$ | +              | $\dashv$  | -        |
|  | 38       |          |          |          | $\vdash$ | <del>                                     </del> | $\vdash$ | H        | -          | -        |      |       | 88       | $\vdash$        | +              | +      | +         | $\vdash$   | $\vdash$ | $\vdash \vdash$ | 一,         |         | -        | 138      | -        | $\dashv$ | $\dashv$ |          |          | -        | $\dashv$       | $\dashv$  | $\dashv$ |
|  | 39       |          |          |          | $\vdash$ | t  | $\vdash$ | H        | -          |          |      |       | 89       | $\vdash$        | +              | +-     | +         | $\vdash$   |          | $\vdash \vdash$ | +          | 1       |          | 139      |          | $\dashv$ | $\dashv$ | _        |          | $\dashv$ | -+             | $\dashv$  | $\dashv$ |
| <u> </u>   | 40       |          |          |          | <u> </u> | t  |          | Н        |            |          |      |       | 90       | $\vdash \vdash$ | $\dashv$       | +-     | t         | <del>                                     </del> |          |                 | 一.         | -       | -        | 140      | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$  | $\dashv$ |
|  | 41       |          |          |          | <b></b>  | <del> </del>                                     | -        | Н        |            |          |      |       | 91       | $\vdash$        | 十              | +      | +         | <u> </u>   |          | +               | $\dashv$   | - }     |          | 141      | -        | $\dashv$ | $\dashv$ | -        | -        | -        | $\dashv$       | $\dashv$  | $\dashv$ |
| <u> </u>   | 42       |          |          |          | $\vdash$ | $\vdash$   |          | H        |            |          |      |       | 92       | $\vdash$        | +              | +      | +         | -  | -        | +               |            | -       |          | 142      |          |          |          |          | $\dashv$ |          | $\dashv$       | $\dashv$  | $\dashv$ |
| <del>                                     </del> | 43       |          | $\vdash$ | $\vdash$ | -        | $\vdash$   | $\vdash$ | H        | $\vdash$   | -        |      |       | 93       | $\vdash$        | +              | +      | +         | $\vdash$   | $\dashv$ | $\dashv$        | ۲.         | ŀ       | -        | 143      | $\dashv$ | $\dashv$ | $\dashv$ | -        |          |          | $\dashv$       | -         | $\dashv$ |
| <u> </u>   | 44       | Н        | $\vdash$ |          | -        | $\vdash$   | $\vdash$ | Н        | $\vdash$   | $\vdash$ |      |       | 94       | $\vdash$        | $\dashv$       | +-     | +-        | $\vdash$   | -        | $\dashv$        | $\dashv$   | 1       | $\dashv$ | 144      | $\dashv$ | $\dashv$ | -        | -        | $\dashv$ | -        | $\dashv$       | -1        | $\dashv$ |
| <del>  -</del>                                   | 45       | H        |          |          | <u> </u> |  | -        |          |            |          | -  - |       | 95       | $\vdash$        | +              | +      | +         | <u> </u>   | $\dashv$ | $\dashv$        | $\dashv$   | ł       | -        | 145      |          | $\dashv$ |          |          |          |          | $\dashv$       | -         | $\dashv$ |
|  | 46       | Н        | $\vdash$ |          | $\vdash$ | -  | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$ | ŀ    |       | 96       | $\vdash$        | +              | +      | +-        | $\vdash$   | -        | +               | $\dashv$   | 1       |          | 146      |          |          | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$       | $\dashv$  | $\dashv$ |
|  | 47       | Н        | $\vdash$ |          | -        | $\vdash$   |          | Н        | $\vdash$   | $\vdash$ |      |       | 97       | $\vdash$        | +              | +      | ╁         | H  |          |                 | $\dashv$   | -       |          | 147      | -        |          | -        |          | -        | $\dashv$ | $\dashv$       | $\dashv$  | $\dashv$ |
| <b> </b>   | 48       | Н        | $\dashv$ | _        | Н        | <b>-</b>   | -        | Н        | $\dashv$   | $\dashv$ | ŀ    |       | 98       |                 | +              | +-     | ╁         | Н  | $\dashv$ | -               | $\dashv$   | 1       |          | 148      |          | $\dashv$ |          | $\dashv$ | $\dashv$ | -        | $\dashv$       | -+        | $\dashv$ |
| $\vdash$   | 49       | $\dashv$ | $\vdash$ | -        |          | -  | -        | Н        | $\vdash$   | $\dashv$ | ∣ ŀ  |       | 99       |                 | +              | +      | ╁         | Н  |          | - +             | ⊢.         | ŀ       |          | 149      | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |                | -         | ᅱ        |
|  | 50       | $\dashv$ | -        |          |          | <del>                                     </del> | $\vdash$ | Н        | $\vdash$   | -        |      |       | 100      | -               | +              | +      | ╁╌        | Н  |          | +               | $\dashv$   | +       |          | 150      | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$       | $\dashv$  | $\dashv$ |
| <b></b>  | 3        |          |          |          |          | L  |          |          |            |          | ı L  |       | 100      |                 | - 1            |        | 1         | 1  | - 1      | - 1             | 1          | - 1     |          | 100      | - 1      | 1        | ŀ        | - 1      | - 1      | - 1      | - 1            | - 1       | J        |